

Fig. 1A Prior Art



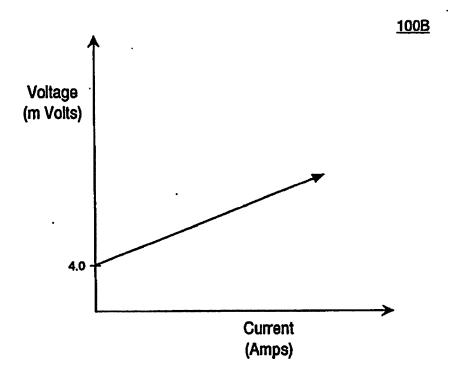


Fig. 1B Prior Art



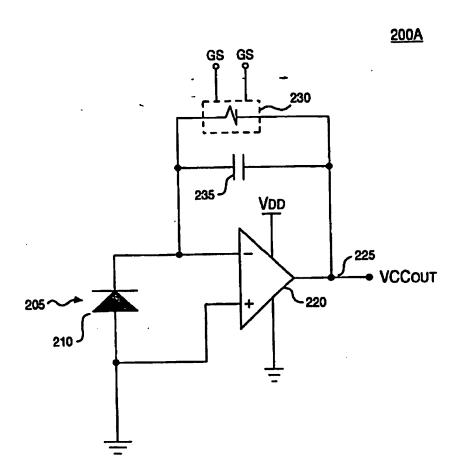


Fig. 2A



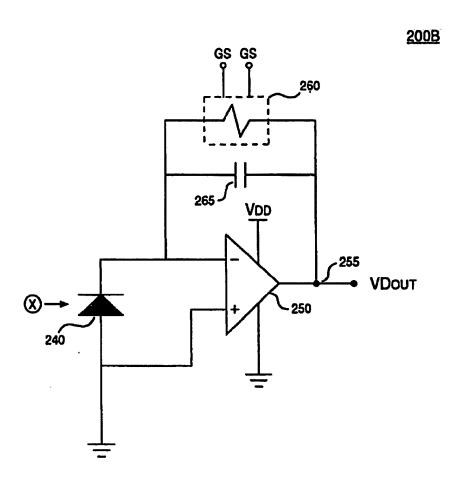


Fig. 2B



200C

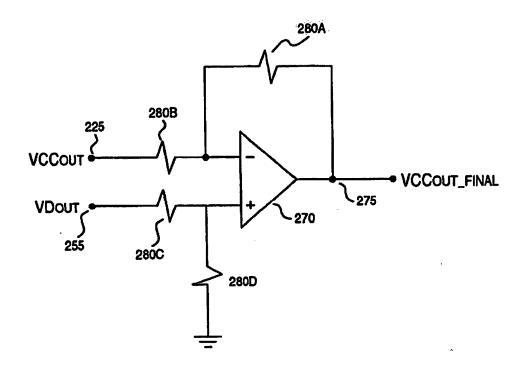


Fig. 2C

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<u>300</u>



310 **VR**OUT Red 350 320 **V**Gout **VC**Cout Green Selector 305 330 360 365 Blue **V**Bout 305 VCCOUT_FINAL 340 **VD**out

Fig. 3



<u>400</u>

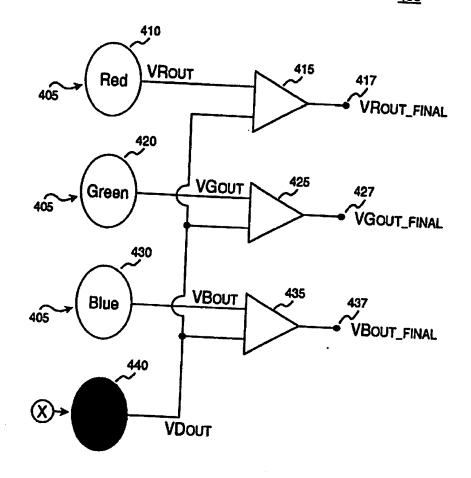


Fig. 4

500



Measuring A First Voltage Associated With Intensity
Of A Color Component Of A Light Input

Measuring An Offset Voltage Associated With Dark
Current Offset Affecting The Measurement Of The First
Voltage

Subtracting The Offset Voltage From The First Voltage
To Cancel The Dark Current Offset In The First Voltage
In Order To Obtain A Final Output Voltage Representing
The Intensity Compensating For The Dark Current Offset

End

Fig. 5